| Ind | ex ot | Clai | ms |  |
|-----|-------|------|----|--|
|     |       |      |    |  |

| Application No. | Applicant(s)    |  |
|-----------------|-----------------|--|
| 10/003,616      | SALAMONE ET AL. |  |
| Examiner        | Art Unit        |  |
| Kuo-Liang Peng  | 1712            |  |

| 1 | Rejected |
|---|----------|
| = | Allowed  |

| <u> </u> | (Through numeral)<br>Cancelled |
|----------|--------------------------------|
| ÷        | Restricted                     |

| N | Non-Elected  |
|---|--------------|
| 1 | Interference |

| A | Appeal   |
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| o | Objected |

|          |          | _        |          |          |          |                | •            |          | _              | _  |      |       |          | _        |          |          |          | •        |          |          |          |          |          | ,          | _            |          |          |          |          |          | _        |          |               |
|----------|----------|----------|----------|----------|----------|----------------|--------------|----------|----------------|--|------|-------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|------------|--------------|----------|----------|----------|----------|----------|----------|----------|---------------|
| Cli      | aim      | Г        |          |          | [        | Dat            | e            |          | _              |  | ٢    | Cla   | im       | Γ        | _        |          | [        | ate      | 3        | _        |          | $\neg$   | CI       | aim        |              |          |          |          | Date     |          | _        | _        | _             |
| Final    | Original | 12/3/03  |          |          |          |                |              |          |                |  |      | Final | Original |          |          |          |          |          |          |          |          |          | Final    | Original   |              |          |          |          |          |          |          |          |               |
| $\vdash$ | . 1      | N        | Н        | -        | -        | ⊢              | ┢            | ╁        | $\vdash$       | Н  | H    |       | 51       | $\vdash$ | -        | $\vdash$ | H        | -        | $\dashv$ | $\dashv$ | -        | $\vdash$ | -        | 101        | -            |          | $\dashv$ | -        | $\vdash$ | Н        | $\dashv$ | _        |               |
| ┝        | 2        | 1        | Н        | =        | Η.       | ├-             | -            | +-       | -              | Н  | - 1  |       | 52       | _        | -        |          | Н        |          | _        | -        | -        | -        |          | 102        |              | $\vdash$ | ┥        | -        | М        | Н        | -        | _        |               |
| $\vdash$ | 3        | 1        | Н        |          | _        | $\vdash$       | ┢            | 1-       | $\vdash$       | Н  | ٠ ٢  |       | 53       | -        | -        | -        |          |          | -        | $\dashv$ |          | $\vdash$ | -        | 103        |              |          | $\neg$   |          |          | Н        | -        | _        |               |
|          | 4        | 1        | П        |          |          | T              | T            | T        | $\vdash$       | Н  | ı    |       | 54       |          |          |          |          |          |          | ヿ        |          |          |          | 104        |              | П        | $\neg$   |          | П        | П        | $\neg$   | _        | $\overline{}$ |
|          | 5        | 1        | П        |          | _        | 1              | 1            | 1        | 1              | П  | ı    |       | 55       | _        |          |          |          |          |          | 7        | _        |          |          | 105        |              | $\Box$   | ᅥ        | _        |          |          |          |          |               |
|          | 6        | N        |          |          |          | 1              | 1            | Т        | 1              | П  | ľ    |       | 56       |          | Г        | -        |          |          |          |          |          |          |          | 106        |              | П        | $\neg$   |          |          |          |          |          | Т             |
|          | 7        | 1        |          |          |          |                |              |          |                |  |      |       | 57       |          |          |          |          |          |          |          |          |          |          | 107        |              |          |          |          |          |          |          |          |               |
|          | 8        | 1        |          |          |          | 1              |              |          |                |  |      |       | 58       |          |          |          |          |          |          |          |          |          |          | 108        |              |          |          |          |          |          |          |          |               |
| L        | 9        | 1        |          |          |          |                |              |          |                | Ц  | L    |       | 59       |          |          |          |          |          |          |          |          |          |          | 109        |              |          | _        |          | ш        | Ш        |          |          |               |
|          | 10       | N        |          |          |          | _              | _            | ┖        | L              | Ш  | L    |       | 60       |          | <u>L</u> | <u> </u> |          |          |          | _        |          | Ш        |          | 110        | $oxed{oxed}$ | Ш        | _        |          |          | Щ        | _        |          | _             |
|          | 11       | N        |          |          |          | <u> </u>       | <u> </u>     | ╙        | <u> </u>       | <u>                                     </u> | L    |       | 61       | _        | ㄴ        | _        |          |          |          | _        |          | Ш        | -        | 111        | _            | Ш        |          |          | ш        | Ш        | _        |          |               |
|          | 12       | N        | Ш        | _        |          |                | $\vdash$     | 1        | -              | Щ  | ŀ    |       | 62       | <u> </u> | $\vdash$ | <u> </u> | Н        |          | _        | _        | _        | $\vdash$ |          | 112        |              | $\sqcup$ | 4        | _        | Щ        | Щ        | $\dashv$ | $\perp$  | _             |
| <u> </u> | 13       | N        | $\vdash$ |          |          |                |              | ₩        | -              | 1  | -    |       | 63       | _        | $\vdash$ | <u> </u> | Н        |          | _        |          | _        | Н        | -        | 113        |              | $\vdash$ | -        | _        | Щ        | Ш        |          |          | _             |
| <u> </u> | 14       | N        | Н        |          | $\vdash$ | -              | ⊢            | +        | -              | Н  | -    |       | 64<br>65 | ⊢        |          | <u> </u> | -        |          |          |          |          | $\vdash$ | -        | 114<br>115 |              | $\vdash$ | 4        |          | Н        | Ш        | $\dashv$ | _        | -             |
| ļ        |          | 1        | Н        | _        | <u> </u> | ⊢              | ⊢            | ⊢        | ⊢              | Н  | H    |       |          | H        |          | ⊢        | Н        |          | -        | $\dashv$ |          | $\vdash$ | -        |            | _            |          | $\dashv$ |          | Н        | Н        | $\dashv$ | _        |               |
| $\vdash$ | 16       | 1        | Н        | _        | -        | ⊢              | ⊢            | ⊢        | ⊢              | Н  | - 1- |       | 66<br>67 | _        | _        | ⊢        | Н        | -        | -        | $\dashv$ | _        | -        | -        | 116<br>117 |              | $\vdash$ | $\dashv$ | _        | Н        | Н        | $\dashv$ | _        | $\vdash$      |
| ├─       | 18       | 1        | Н        | -        | $\vdash$ | ⊢              | ⊢            | $\vdash$ | -              | Н  | ŀ    |       | 68       |          | $\vdash$ | ⊢        | Н        | Н        | -        | $\dashv$ | _        | $\vdash$ | -        | 118        | H            | $\vdash$ | $\dashv$ | _        | Н        | Н        | $\dashv$ | _        | _             |
|          | 19       | 1        |          | _        | ⊢        | ⊢              | ⊢            | $\vdash$ | $\vdash$       | Н  | H    |       | 69       | $\vdash$ | $\vdash$ | $\vdash$ | Н        | Н        | -        | $\dashv$ | _        | $\vdash$ | -        | 119        |              | $\vdash$ | $\dashv$ | _        | Н        | Н        | $\dashv$ | _        | $\vdash$      |
| ├─       | 20       | V        | Н        | _        | -        | ┼-             | ├-           |          |                |  | ŀ    |       | 70       |          | ├        | ┝        | H        | $\dashv$ | $\dashv$ | $\dashv$ | _        | -        |          | 120        |              | -        |          |          |          |          |          | -        | _             |
| $\vdash$ | 21       | Ť        | Н        | _        | ⊢        | ├              |              | ┼        | -              |  | ŀ    |       | 71       |          | $\vdash$ | ⊢        | Н        | $\dashv$ | $\dashv$ | $\dashv$ | _        | -        |          | 121        |              | -        | $\dashv$ | _        | -        |          |          | _        | -             |
| <u> </u> | 22       | 1        | Н        | -        | $\vdash$ | ┢              | $\vdash$     | $\vdash$ | $\vdash$       | Н  | H    |       | 72       | $\vdash$ | $\vdash$ | $\vdash$ | Н        |          | -        |          | -        | $\vdash$ | -        | 122        | Н            | $\vdash$ | $\dashv$ | _        | Н        | Н        | $\dashv$ | -        | _             |
| $\vdash$ | 23       | 1        | Н        | _        | $\vdash$ | $\vdash$       | $\vdash$     | $\vdash$ | $\vdash$       | Н  | ŀ    |       | 73       | $\vdash$ | $\vdash$ | $\vdash$ | Н        | -        | $\dashv$ | $\dashv$ | _        | $\vdash$ |          | 123        |              | $\vdash$ | $\dashv$ | _        | Н        | Н        | $\dashv$ | -        | _             |
|          | 24       | 1        | Н        |          | Н        | H              | H            | $\vdash$ | $\vdash$       | Н  | ŀ    |       | 74       |          |          | $\vdash$ |          |          | $\neg$   | $\dashv$ |          | $\vdash$ |          | 124        | Н            | $\vdash$ | $\dashv$ | -        | П        | Н        | $\neg$   | -        | Т             |
|          | 25       | Ť        | Н        |          | _        | 1              | T            | $^{-}$   | $\vdash$       | Н  | ı    |       | 75       | ┢        | Т        | $\vdash$ |          |          | $\neg$   | ┪        | -        |          | $\vdash$ | 125        | _            | 1        |          | _        | $\neg$   | Н        | $\neg$   | _        | Г             |
|          | 26       | $\vdash$ | Н        | _        |          | -              | H            | $\vdash$ | ┼┈             | М  | ŀ    |       | 76       | 1        | -        |          |          | -        | _        | ᅥ        | -        | -        |          | 126        | Н            | $\vdash$ | $\dashv$ |          | П        | Н        | $\dashv$ | -        |               |
|          | 27       | Т        | П        |          |          |                | T            | $\vdash$ | $\vdash$       | 1  | ı    |       | 77       |          | Т        | _        |          |          |          | _        |          |          |          | 127        | Т            | $\vdash$ | $\neg$   |          | $\neg$   | П        | $\neg$   | -        |               |
|          | 28       |          | П        |          |          |                | T            | Т        |                | П  | ı    |       | 78       |          |          |          |          |          |          | T        |          |          |          | 128        |              | П        | $\neg$   |          | П        | П        | $\neg$   | -        | Г             |
|          | 29       | -        | П        |          | _        | 1              | <b> </b>     | 1        |                | П  | ı    |       | 79       | _        |          |          |          |          |          | 一        |          |          |          | 129        |              | $\Box$   | ~        |          |          |          |          |          | Г             |
|          | 30       | Τ        | П        |          |          | Г              | T            |          |                | М  | ı    |       | 80       |          |          | Г        |          |          |          | $\neg$   |          |          |          | 130        |              | П        | $\neg$   |          | П        | П        | $\neg$   |          | Г             |
|          | 31       |          |          |          |          |                |              | Т        |                |  |      |       | 81       |          |          |          |          |          |          |          |          |          |          | 131        |              |          |          |          |          |          |          |          |               |
|          | 32       |          |          |          |          |                |              |          |                |  |      |       | 82       |          |          | L        |          |          |          |          |          |          |          | 132        |              |          |          |          |          |          |          |          |               |
|          | 33       |          |          |          |          |                |              |          | Ĺ              |  | E    |       | 83       |          |          |          |          |          |          |          |          |          |          | 133        |              | <u> </u> |          |          |          |          |          |          |               |
|          | 34       | _        |          |          |          |                |              |          | L              | Ш  | Γ    |       | 84       |          | $\perp$  |          | П        |          |          |          |          | Щ        |          | 134        |              | Ш        | $\Box$   |          |          |          |          |          | Ē             |
|          | 35       | -        | Ш        | _        | Щ        | _              | _            | _        | 1              | Ш  | 1    |       | 85       | <u> </u> | <u> </u> |          | Ш        | Щ        | _        | _        | _        | Щ        |          | 135        | $\Box$       | $\sqcup$ |          | _        | ,        |          | _        | _        |               |
|          | 36       | <u> </u> | Ш        | _        |          | <u> </u>       | ļ_           | ļ.,      | ┡              | Ш  | Ļ    |       | 86       |          | _        | _        | _        |          | _        | 4        | _        |          |          | 136        | _            | $\sqcup$ | 4        |          |          | Ш        | _        |          | _             |
|          | 37       | <u> </u> |          | _        |          | _              | <u> </u>     |          | ╙              | Ш  | ŀ    |       | 87       |          | _        | _        | Ш        | _4       | _        | 4        | _        |          |          | 137        |              | Н        | 4        | _        | _        | Ш        | $\dashv$ |          | _             |
|          | 38       | -        | $\vdash$ |          |          | 1              | <u> </u>     | -        | <del> -</del>  | Н  | -    |       | 88       | <u> </u> | _        | <u> </u> | Н        |          | $\dashv$ |          |          | $\dashv$ |          | 138        | $\vdash$     |          | 4        | _        | _        | Ш        | $\dashv$ | _        | -             |
| _        | 39       | -        | $\vdash$ | $\dashv$ | $\vdash$ | $\vdash$       | $\vdash$     | -        | -              | $\vdash$                                     | - 1  |       | 89       | ├-       | $\vdash$ | <u> </u> | Н        | $\dashv$ | $\dashv$ | $\dashv$ | -        | $\dashv$ | -        | 139        | $\vdash$     | $\vdash$ |          |          |          |          | $\dashv$ | -        | -             |
|          | 40       | _        | Н        | _        |          | $\vdash$       | $\vdash$     | +-       | 1              |  | - 1  |       | 90       | ⊢        | $\vdash$ | $\vdash$ | Н        | $\dashv$ |          | $\dashv$ | _        | $\vdash$ |          | 140        | <u> </u>     | $\vdash$ |          |          | $\dashv$ | Н        | ,        | $\dashv$ | _             |
|          | 41       | ├-       | -        |          | -        | <del> </del> — | <u> </u>     |          | -              | $\vdash$                                     | -    |       | 91<br>92 | $\vdash$ | $\vdash$ |          | Н        | $\dashv$ | $\dashv$ |          |          | $\dashv$ | -        | 141        | $\vdash$     | -+       | -        | -        | $\dashv$ | $\vdash$ | $\dashv$ | -        | -             |
|          | 43       | $\vdash$ | Н        | -        | $\vdash$ | $\vdash$       | $\vdash$     | $\vdash$ | -              | Н  | H    |       | 93       | $\vdash$ | $\vdash$ | $\vdash$ | Н        | $\dashv$ | $\dashv$ | $\dashv$ | -        | +        | -        | 143        | Н            | $\vdash$ | -        |          | -        |          | $\dashv$ | -        | _             |
| -        | 44       | $\vdash$ | $\vdash$ | $\dashv$ | Н        | $\vdash$       | ⊢            | ╁        | -              | H  | H    | -     | 94       | ├—       | $\vdash$ | $\vdash$ | Н        | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$ | $\vdash$ | -        | 144        | Н            | $\vdash$ | -        |          | -        | H        | $\dashv$ | -        | _             |
| -        | 45       | $\vdash$ | $\vdash$ | $\dashv$ | $\vdash$ | $\vdash$       | $\vdash$     | $\vdash$ | $\vdash$       | <del>  </del>                                | - 1- |       | 95       | -        | $\vdash$ | $\vdash$ | Н        | -        |          | $\dashv$ | $\dashv$ | $\vdash$ |          | 144        | Н            | $\vdash$ | -        | $\dashv$ | $\dashv$ | $\vdash$ | $\dashv$ | $\dashv$ | _             |
|          | 46       | $\vdash$ | $\vdash$ | -        | $\vdash$ | <del> </del>   | <del> </del> | +        | $\vdash$       | Н  | - 1- |       | 96       | $\vdash$ |          | -        | Н        |          | $\dashv$ |          | $\dashv$ | -        | $\vdash$ | 146        | -            |          | $\dashv$ | $\dashv$ | $\dashv$ | $\vdash$ | $\dashv$ | $\dashv$ | _             |
|          | 47       | $\vdash$ | Н        |          |          | $\vdash$       | -            | 1        | $\vdash$       | H  | H    |       | 97       | -        |          |          | -        | -        | -        | $\dashv$ |          |          | -        | 147        | -            | -        | -        | -        | $\dashv$ | $\vdash$ | $\dashv$ | $\dashv$ | _             |
|          | 48       | $\vdash$ | $\vdash$ |          | $\vdash$ | -              | -            | $\vdash$ | <del>  -</del> | Н  | ٠    |       | 98       | -        | $\vdash$ | $\vdash$ | Н        | -        | $\dashv$ | -+       |          | -        | $\vdash$ | 148        | H            | $\vdash$ | ┥        | $\dashv$ | $\dashv$ | $\vdash$ | $\dashv$ | -        | -             |
| _        | 49       |          | -        | -        |          | Ι-             | -            | $\vdash$ | $\vdash$       | $\vdash$                                     | -    | _     | 99       | -        | Н        |          | $\vdash$ | $\dashv$ | -        | -        | -        | $\dashv$ | $\vdash$ | 149        | $\vdash$     | $\vdash$ | ┥        | -        |          | -        | $\dashv$ | $\dashv$ | _             |
|          | 50       | т        | $\vdash$ | -        |          |                |              | $\vdash$ | <del> </del>   | Н  | - 1  |       | 100      |          | Н        |          | Н        | $\dashv$ | $\dashv$ | -        | $\dashv$ | $\dashv$ | $\vdash$ | 150        |              | $\vdash$ | 7        |          | $\dashv$ | $\vdash$ | $\dashv$ | $\dashv$ | _             |
|          | ,        |          |          | 1        |          |                |              |          | _              |  |      |       |          |          |          |          |          |          |          |          |          |          |          |            |              |          |          |          |          |          |          |          |               |